



**Powerware® 9170+ Rail Kit
9- and 12-Slot Cabinets
Installation Guide**

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Rack-Mount Installation

To install a 9- or 12-slot uninterruptible power system (UPS) cabinet into a rack, you must order a cabinet specifically designed for rack-mounting. Nine- and 12-slot battery cabinets ASY-0749 and ASY-0750 are also available for rack-mounting. These models can be installed in an EIA-standard 48.3 cm (19") equipment rack and include a rack-mounting kit with the brackets and required hardware.

To install the UPS or battery cabinet in the equipment rack:



NOTE *The 9- and 12-slot cabinets are heavy [9-slot: 72 kg (158 lb); 12-slot: 89 kg (196 lb)]. This procedure requires two people to lift and position the cabinet into the equipment rack. Install the cabinet in the rack before installing power and battery modules and before making connections to the intended power source.*

1. Remove the four screws (two on either side) securing the top cover of the cabinet. Carefully lift the cover straight up and off to avoid stressing the front panel display. Set the cover aside.
2. Remove the cabinet side covers by lifting the top edge. No other hardware must be detached. Store or discard the side covers.
3. Carefully replace the cabinet top cover and secure with the four screws removed in Step 1. Position the cover lip to fit behind the front panel display.

4. Install six metal clip nuts (nine clip nuts for 12-slot cabinets) onto each side flange along the front of the cabinet (see Figure 1).



NOTE *DO NOT* install metal clip nuts in the bottom cabinet section.

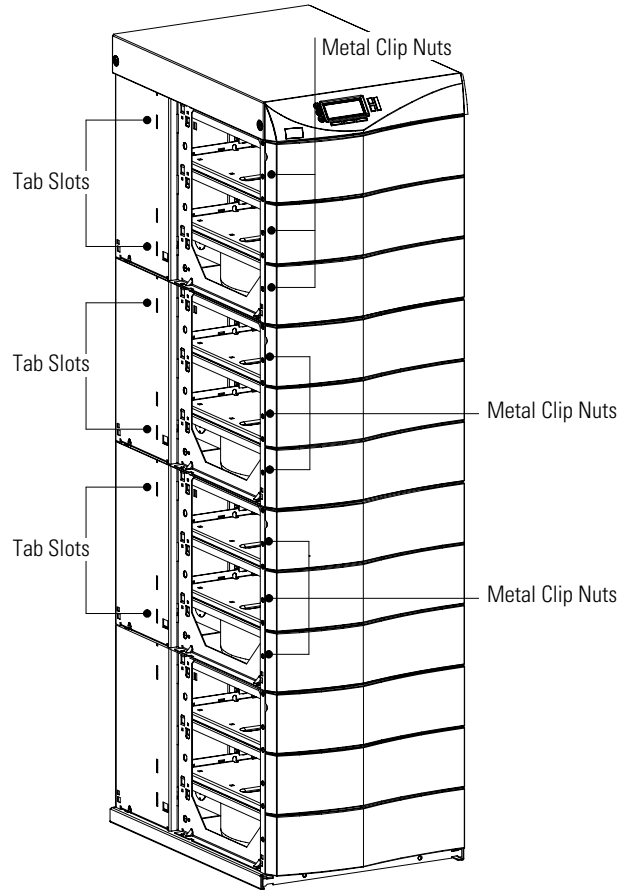


Figure 1. Metal Clip Nut and Tab Slot Locations

5. Install two rack-mount ears (three for 12-slot cabinets) on each side of the cabinet (see Figure 2).

Insert the two offset tabs on the rear edge of the ear into the matching tab slots on the cabinet side frame (see Figure 1). Pivot the ear forward until it is flush against the cabinet side frame. Secure each ear with three 1/4-20 × 1/2" Phillips-head bolts; screw the bolts into the metal clip nuts installed in Step 4.



NOTE DO NOT install rack-mount ears in the bottom cabinet section.

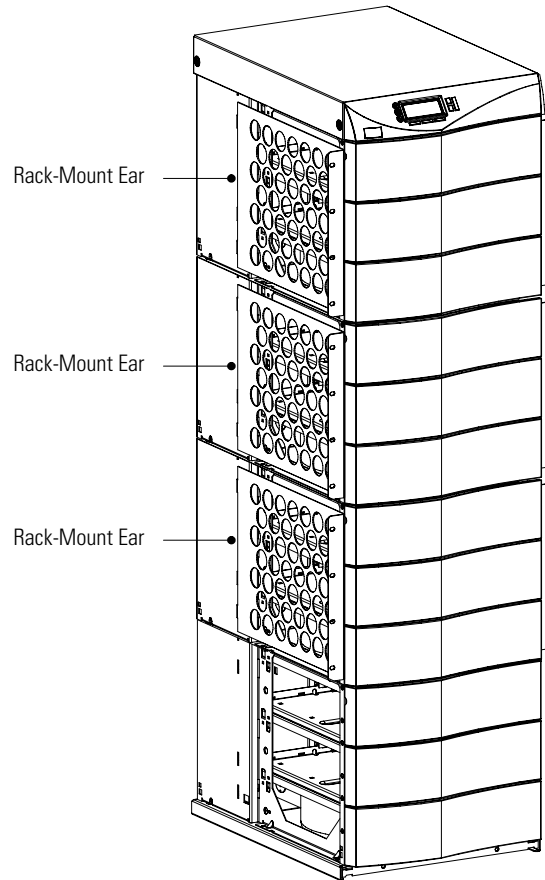


Figure 2. Rack-Mount Ears Installed

6. Select the proper holes in the rail that position the cabinet at the desired location in the rack.
7. Install one equipment rail on each side of the rack using four 10-32 × 1/2" flat-head screws per rail.
8. With one person lifting each side of the cabinet, position the cabinet onto the two equipment rails (see Figure 3).

Carefully slide the cabinet into the equipment rack until the rack-mount ears of the cabinet are flush with the front vertical rails of the rack. Verify that the holes in the ears align with the holes in the rack.

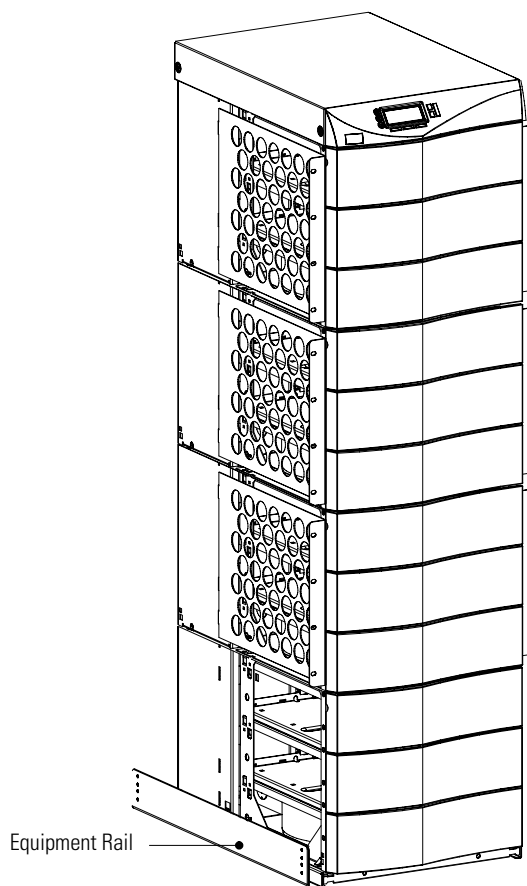


Figure 3. Rails Holding UPS Cabinet

9. Secure the cabinet in the rack using 10-32 × 1/2" Torx® screws or other appropriate customer-specified screws.
10. Follow the instructions in the UPS user's guide to install the power and battery modules.

Service and Support

If you have any questions or problems with the UPS, call your **Local Distributor** or the **Help Desk** at one of the following telephone numbers and ask for a UPS technical representative.

United States: **1-800-356-5737** or **1-919-870-3149**
Canada: **1-800-461-9166 ext 260**
All other countries: **Call your local service representative**

Please have the following information ready when you call the Help Desk:

- Model number
- Serial number
- Version number (if available)
- Date of failure or problem
- Symptoms of failure or problem
- Customer return address and contact information

If repair is required, you will be given a Returned Material Authorization (RMA) Number. This number must appear on the outside of the package and on the Bill Of Lading (if applicable). Use the original packaging or request packaging from the Help Desk or distributor. Units damaged in shipment as a result of improper packaging are not covered under warranty. A replacement or repair unit will be shipped, freight prepaid for all warranted units.



NOTE *For critical applications, immediate replacement may be available. Call the **Help Desk** for the dealer or distributor nearest you.*



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